



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06

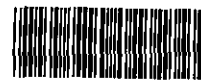


Site Name: Lorraine Refinery

CERCLIS ID#: OKN000606909

Alias Site Names: _____

Address: S/E St. Louis/San Francisco Railroad and W BY Sand Creek/Hwy. 66/48



875211

City/County or Parish/State/Zip Code: Bristow, Creek County, Oklahoma

Report Type, Date, and Author: Site Inspection (SI), August 2009, ODEQ

RECOMMENDATION

☐ 1. No Further Remedial Action Planned
under Superfund (NFRAP)

☒ 2. Further Investigation Needed Under Superfund

☐ PA

☐ HRS

Priority: ☐ High

☐ SSI

☐ RA

☐ Medium

☒ ESI

☐ RI/FS

☒ Low

☐ Other: _____

To be performed by: ODEQ

☐ 3. Action Deferred to:

☐ RCRA ☐ NRC

NOTIFY AUTHORITY:

☐ Removal

☐ RCRA

☐ TSCA

☐ CAA

☐ SMCRA

☐ Remedial

☐ State

☐ NPDES

☐ NRC

☐ Resource Trustee: _____

☐ CERCLA Enforcement

☐ Federal Facility

☐ UIC

☐ SPCC

☐ Other: _____

SEND SSSR COPIES TO: ☒ 6SF-AC ☐ 6WQ-SP

☐ ATSDR

☒ State Agency

☐ Other

DISCUSSION:

The former refinery site occupies approximately 5,448 acres of land and is divided into a northern portion and a southern portion by a farm road. The northern portion of the site is rural land, while the southern portion is occupied by the Assembly of God Church and one residence. The refinery site once contained several storage tanks and refinery operation buildings. All storage tanks and buildings have been removed and most of the site is well vegetated with trees, bushes, and grass. However, there are some areas of stressed vegetation, barren areas, and visible hard black tarry waste deposits.

Chemical analyses of sediment and soil samples collected at the site showed that site areas contained elevated concentration of metals and organics, which can be explained by past activities at the site. Areas of soil contamination were identified at the site. Runoff from the site flows into an intermittent stream. There are no drinking water intakes located downstream of the site. Ground water pathway was not evaluated or sampled for this investigation. The air pathway is not a concern since most of the site is well vegetated, and there are no current activities on-site.

Due to the historical site operations and the presence of elevated metal, the potential impact on human health and the environment, it is recommended that an Expanded Site Inspection (ESI) be conducted to collect additional information required to make the final site disposition. The ESI should focus on source characterization and the extent of contamination at the site.

APPROVALS:

Report Reviewed by: Philip Ofosu
(Site Assessment Manager 6SF-TS)

Signature: Philip Ofosu

Date: Oct/15/09

Disposition Approved by: John Meyer
(Section Chief 6SF-TS)

Signature: John Meyer

Date: 10/15/09



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

October 15, 2009

Mr. Hal Cantwell
Land Protection Division
Oklahoma Department of Environmental Quality
Site Assessment Unit
707 North Robinson
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

Dear Mr. Cantwell:

Enclosed for your information and files are sites that have been reviewed by the EPA. Included with the list is the Superfund Site Strategy Recommendations (SSSRs).

Please note that all sites receiving a designation of No Further Response Action Planned (NFRAP) under Superfund will be removed from the active Comprehensive Environmental Response Compensation and Liability Information Systems (CERCLIS) database. These sites are referred to the State Agency for any action, if appropriate, under the State's regulatory framework.

Should you have any questions, please contact me at (214) 665-3178.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Philip Ofosu".

Philip Ofosu
Site Assessment Manager (6SF-TS)

Enclosures (1)

Site List Reviewed by EPA

Site Name

EPA I.D.

Recommendation

Lorraine Refinery Site

OKN000606624

ESI
